

Cubic Trillion

by Arya Akhavan (March 2015)

Angles for R.I. = 1.500

45 + 12 girdles = 57 facets

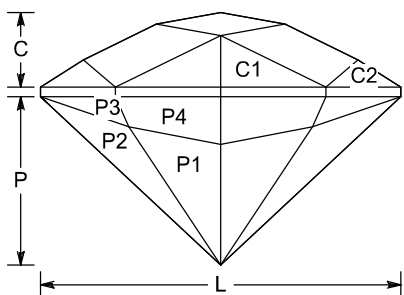
3-fold, mirror-image symmetry

96 index

$L/W = 1.011$

$P/W = 0.471$ $C/W = 0.208$

$Vol./W^3 = 0.197$



PAVILION

P1	45.95°	03-29-35-61-67-93	Cut to centerpoint.
P2	43.00°	08-24-40-56-72-88	Meet at culet.
G1	90.00°	02-30-34-62-66-94	Set stone size.
G2	90.00°	06-26-38-58-70-90	Meet P1, P2, G1
P3	55.00°	06-26-38-58-70-90	Level girdle.
P4	57.94°	02-30-34-62-66-94	Level girdle.

CROWN

C1	34.77°	02-30-34-62-66-94	Set girdle width.
C2	34.77°	06-26-38-58-70-90	Level girdle.
C3	30.87°	04-28-36-60-68-92	Meet G1, G2, C1, C2
C4	17.19°	96-32-64	Meet C1, C3

This design started off as an attempt to make a 2D isometric representation of a cube in the crown of a triangle. That's the C4 tier. The rest of it was basically just me trying to add more bars to the crown, as I am wont to do. This design should be easy and fast to cut, and I think it's technically an OMNI. Works in materials from petalite to YAG (RI = 1.50 - 1.83) with no changes.

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